14998

Formerly Lt. 823, 1st Ed., Apr. 1936

Adjoining Chart 6107

93° 18'

INDEX TO CHARTS OF RAINY LAKE

Charts 6106, 6107, 6110 and 6111 are available from the Canadian Hydrographic Service.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot 6 for details.

Scale of Statute Miles

Scale of Feet

NOTES

AIDS TO NAVIGATION. Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation. See Canadian List of Lights, Buoys and Fog Signals for information not included in the U.S. Coast Guard Light List.

SYMBOLS AND ABBREVIATIONS. For complete list of symbols and abbreviations see Chart No. 1.

BRIDGE AND OVERHEAD CABLE CLEARANCES. When the water surface is above Low Water Datum, bridge and overhead clearances are reduced correspondingly.

HEIGHTS. Heights are expressed in feet above chart datum.

AUTHORITIES. This chart which corresponds to Canadian Hydrographic Service Chart No. 6108, was compiled from surveys of the National Ocean Service, Charting and Geodetic Services and the Canadian Hydrographic Service and is the result of a coordinated effort of the two agencies.

CAUTION—Caution should be exercised while cruising in these waters, since uncharted shoals and dangers may exist.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

FORT FRANCES (RAINY LAKE) 1949 – 1967
referred to U.S.C. & G.S. Datum, 1912 adjustment

Chart datum 1107.0 feet
337.4 meters above M.S.L. at New York

Highest monthly mean water level
Average monthly mean water level
Lowest monthly mean water level

UNITED STATES - GREAT LAKES
BORDER LAKES - MINNESOTA

RAINY LAKE
INTERNATIONAL FALLS TO DRYWEED ISLAND

Universal Transverse Mercator Projection
Scale 1:25,000
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
Reduced to chart datum which is the level surface of Rainy Lake when the gage at Fort Frances reads 1107.0 feet, or 337.4 meters.

AIDS TO NAVIGATION
All Red buoys and beacons should be left on the Starboard hand and Black and Green buoys and beacons should be left on the Port hand when "Upbound" or proceeding "Upstream". The "Upbound" or "Upstream" courses are indicated by a directional arrow either on the main (solid magenta line) and alternate (dashed magenta line) tracks. United States and Canadian buoys may be relocated as necessary to best mark a safe passage or channel.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.3"W southward and 0.83"E westward to agree with this chart.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflectors identification on these aids has been omitted from the chart.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via RTC-42/-8802 (toll free), or to the nearest U.S. Coast Guard facility 7 telephone communication or impossible (33 CFR 153).

CAUTION
Due to periodic high water conditions in the Great Lakes, some features charted as visible at Low Water Datum may be submerged, particularly in the near shore areas. Mariners should proceed with caution.

NOAA nautical charts are constructed to existing standards and are designed to promote safe navigation. Since our waterways are subject to continual change, the National Ocean Service encourages chart users to submit corrections or comments for the improvement of this product to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852. By working together, we can make our activities safer and more enjoyable.

Thomas J. Maginna
Assistant Administrator for Ocean Services
and Coastal Zone Management

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Int'l Falls, Minn. WXK-45 162.55 MHz (Chan. WX-1)

LONGITUDE 93°18' WEST FROM GREENWICH

SOUNDINGS IN FEET

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center, the Canadian Ministry of Transport and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left-hand corner.

12th Ed., Feb 28/89 ■
14998

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

SOUNDINGS IN FEET

Nautical Chart Catalog No. 4, Panel 4

Formerly U.S. 823, 1st Ed., Apr. 1936

Adjoining Chart 6107

93° 16'

LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.

Continued on Main Chart

CONTINUATION AT SAME SCALE

Continued on Main Chart

CONTINUATION AT SAME SCALE

Continued on Main Chart

Continued on Main Chart

HOSTESS ISLAND

HOOK ISLAND

McKenzie I

Raspberry I

BLAZE POINT

Bare Island

SUNDAY ISLAND

HOPKINS BAY

RICE BAY

RICE BAY

Pocket Pond

48°44'

ROCKY ISLET

REEF POINT

ONTARIO

MILLERS BAY

PROSPECT BAY

COMMISSIONERS BAY

GRASSY PORTAGE BAY

GRASSY PORTAGE BAY

48°42'

Windy Pt

Scale of Statute Miles

Scale of Feet

Black Point

Lichen Island

Goose Island

Marsh Island

Pakamo Island

Crowbird Island

Turtle Island

Home Island

Rest Island

Goose Island Channel

Midway I

Shell Bay

Sandpoint Island

Angling Island

Red Pine Island

Gull Rock Lt

Gull Point

Gull Point Pt

Stonecrock I

Small Pt

NODEN CAUSEWAY

Fire Mile Bridge Wharf Lt

Fire Mile Bridge

Campion I

Acheson Ground

LAST ISLAND

Eagle Mile

Fraser I Lt

Farmers I

Gilbert

Marina Ramp

Roberts I

Point I

Stop Island

Crkfish Island

Grassy Island

Jackfish Bay

Oland Pt

Marys Pt

Elk Bay

Bald Rock Pt Lt

Tilson Bay

Neil Pt

Grindstone Island

Harrison Bay

Big Hammerson Island

Dryweed Island

Voyageurs National Park

Krause Bay

Locks

Rocky Inlet (Dike)

Sawmill

Moments

Canoe Point

Canoe Point Pt

Canoe Point Lt

Canoe Point Wharf

Canoe Point Marina

Canoe Point Resort & Marina

Little Bear Grand Marais Marina

Grand Marais Lodge & Marina

Sand Bridge (Dike)

Sand Point Lodge

Sand Point Marina

Sand Point Resort & Marina

Sand Point Lodge

Sand Point Lodge Marina

Sand Point Lodge Resort & Marina

Rainy Lake Resort & Marina

Rainy Lake Lodge

Rainy Lake Lodge Resort & Marina

Minnesota Resort & Sportsman's Retreat

Minnesota Resort & Sportsman's Retreat Marina

Kabetogama Lake Resort & Marina

Kabetogama Lake Lodge

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